

To: Moss, Kenneth[Moss.Kenneth@epa.gov]; Schweer, Greg[Schweer.Greg@epa.gov]; Doa, Maria[Doa.Maria@epa.gov]
Cc: Henry, Tala[Henry.Tala@epa.gov]
From: Scarano, Louis
Sent: Wed 1/22/2014 4:22:17 PM
Subject: FW: Chemical in WV spill

All:

Ran into Ken...he asked about this issue....see this train (especially the ingredient list)...the second chemical listed is a commenced PMN; the major proportion is on original inventory:

2. COMPOSITION INFORMATION ON INGREDIENTS		
<i>(Typical composition is given, and it may vary. A certificate of analysis can be provided, if available.)</i>		
<u>Weight %</u>	<u>Component</u>	<u>CAS Registry No.</u>
68 - 89%	4-methylcyclohexanemethanol	34885-03-5
4 - 22%	4-(methoxymethyl)cyclohexanemethanol	98955-27-2
4 - 10%	water	7732-18-5
5%	methyl 4-methylcyclohexanecarboxylate	51181-40-9
1%	dimethyl 1,4-cyclohexanedicarboxylate	94-60-0
1%	methanol	67-56-1
1 - 2%	1,4-cyclohexanedimethanol	105-08-8

Ken sent you (Maria and Greg) a separate e-mail with PMN number for the second chemical. Unfortunately, CIS could not access the original PMN. Ken requested a copy from FRC through CBIC.

Regards,

Louis (Gino) Scarano, PhD

Chief, New Chemical Screening and Assessment Branch

US EPA

Office of Chemical Safety and Pollution Prevention (OCSPP)

Office of Pollution Prevention and Toxics (OPPT)

Risk Assessment Division (RAD)

1200 Pennsylvania Ave, NW (Mail Code 7403M)

Washington, DC 20460

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Deliveries: Room 6308A, 1201 Constitution Ave., NW, Washington, DC 20460

From: Williamson, Tracy

Sent: Thursday, January 16, 2014 2:28 PM

To: Brinkhuis, Randall; Townsend, Mark; Keifer, Leonard; Scarano, Louis

Cc: Tirado, Nestor

Subject: RE: Chemical in WV spill

It could very well be more confusing that that, since this is coal processing, it could be a formulation of crude materials.

Proceed with caution when listening to the press or reading MSDS.

From: Brinkhuis, Randall

Sent: Thursday, January 16, 2014 10:32 AM

To: Tirado, Nestor; Townsend, Mark; Keifer, Leonard

Cc: Scarano, Louis; Williamson, Tracy

Subject: RE: Chemical in WV spill

Nestor,

Yes, it is the second. The first one is the one being mentioned in the news. To me, as a non-chemist, they appear very similar. The list is from the MSDS for "Crude MCHM". MCHM is the abbreviation for the first chemical on the list which comprises upwards of two-thirds the contents of Crude MCHM. I suspect that the product was what leaked. (Crude MCHM is made by Eastman Chemical.)

Randy

From: Tirado, Nestor
Sent: Thursday, January 16, 2014 10:03 AM
To: Brinkhuis, Randall; Townsend, Mark; Keifer, Leonard
Cc: Scarano, Louis; Williamson, Tracy
Subject: RE: Chemical in WV spill

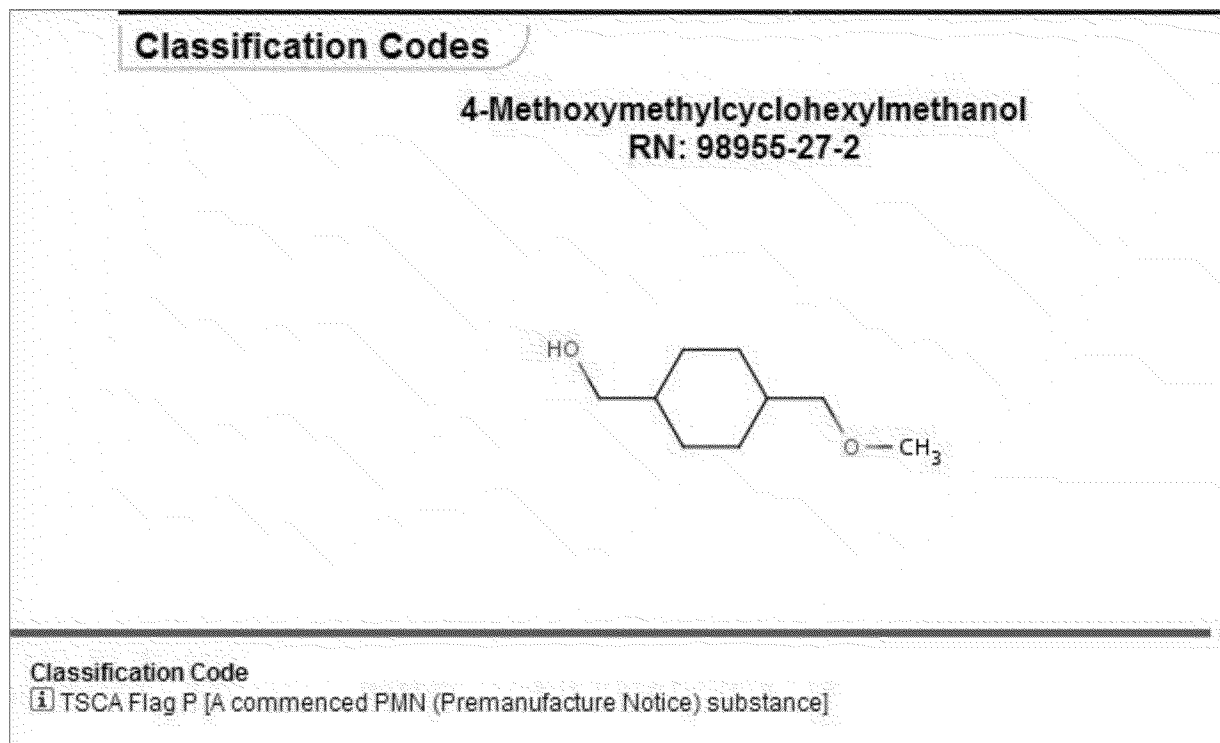
Guys, are we getting confused now talking about two different substances? (at least I am getting confused). It seems Randy made a comment about the second substance on the list, and that might have shifted the conversation. The substance on the spill was the first one, as I understand it. I think Leonard was looking at that one.

Nestor

From: Brinkhuis, Randall
Sent: Thursday, January 16, 2014 9:50 AM
To: Townsend, Mark; Keifer, Leonard
Cc: Scarano, Louis; Tirado, Nestor; Williamson, Tracy
Subject: RE: Chemical in WV spill

Sorry, out with a virus. (Still at home.) No, I was right, according to ChemIDplus it is a commenced PMN.

NLM doesn't make this stuff up, so someone should check the public Inventory. If that does not contain the error, then there was probably some problem with a data exchange. Or, does CAS remove the designation commenced PMN at some point? Could be that NLM hasn't updated its records. (This is not to say that NLM does not make mistakes; it still has RDX listed as a rodenticide in ChemIDPlus.)



Randy

From: Townsend, Mark
Sent: Monday, January 13, 2014 8:12 AM
To: Keifer, Leonard
Cc: Scarano, Louis; Brinkhuis, Randall
Subject: RE: Chemical in WV spill

Thanks Brinkhuis was wrong... so hard to believe

From: Keifer, Leonard
Sent: Monday, January 13, 2014 7:50 AM
To: Townsend, Mark
Cc: Scarano, Louis
Subject: RE: Chemical in WV spill
Importance: High

I has not been a PMN and we do not have any data for it in any 8Es.

It was on the original TSCA Inventory.

According to our data base an analog (105-03-5) was an HPV and a SIDS chemical.

From: Townsend, Mark
Sent: Monday, January 13, 2014 7:37 AM
To: Keifer, Leonard
Subject: FW: Chemical in WV spill

Leonard was this chemical a PMN

Do we have study info on it if it was a pmn

Do we have analog data if it was a pmn

From: Scarano, Louis
Sent: Saturday, January 11, 2014 5:20 PM

To: Townsend, Mark
Subject: RE: Chemical in WV spill

Cool...thanks

Regards,

Louis (Gino) Scarano, PhD

Chief, New Chemical Screening and Assessment Branch

US EPA

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From: Townsend, Mark
Sent: Friday, January 10, 2014 3:52 PM
To: Scarano, Louis
Subject: Fw: Chemical in WV spill

Commenced pmn.

From: Brinkhuis, Randall
Sent: Friday, January 10, 2014 3:21:21 PM
To: Townsend, Mark
Subject: FW: Chemical in WV spill

Thought you would find this of interest. The second chemical listed in the MSDS is a commenced PMN (according to ChemIDplus).

Randy

From: Brinkhuis, Randall
Sent: Friday, January 10, 2014 3:14 PM
To: Flattery, Priscilla
Cc: Leopard, Matthew; Blunck, Christopher; Kennedy, Amuel
Subject: Chemical in WV spill

Priscilla,

Thought you might get inquiries about this so I'm passing along the following info.

The WTOP story linked to below identifies the chemical as 4-methylcyclohexane methanol.

<http://wtop.com/209/3539204/WVa-gov-declares-emergency-after-chemical-spill>

So I Googled it and found the following:

<https://www.dropbox.com/s/i8rsw5n2cgvxbwt/Freedom%20Industries.docx>

MSDS - http://mediad.publicbroadcasting.net/p/wvbn/files/201401/MSDS-MCHM_I140109214955.pdf

2. COMPOSITION INFORMATION ON INGREDIENTS

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Of the top three chemicals (excluding water), ChemIDplus had very little information beyond the fact that they are on the TSCA Inventory.

Randy

"Knowing is not enough; we must apply. Willing is not enough; we must do." —Goethe

Randall Brinkhuis, M.S. in Library Science

Environmental Protection Specialist

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